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InfraPower®

Intelligent Remote Power Management

User Manual

IPS-01, IP KVM GUI Software

MTS switched PDU
MT monitored PDU

Legal Information

First English printing, October 2002

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing dam age to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being dam aged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invali date its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential instal-lation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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Unpacking

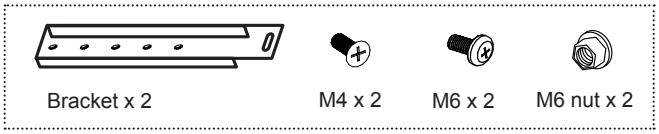
The equipment comes with the standard parts shown on the package contents. Check and make sure they are included and in good condition. If anything is missing, or damage, contact the supplier immediately.

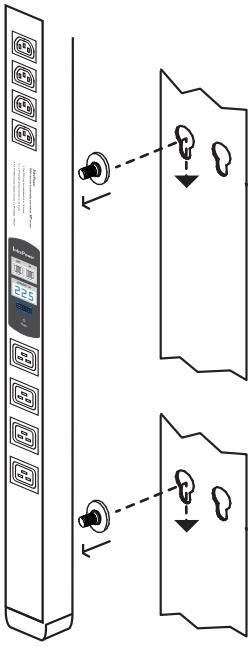
Package contents

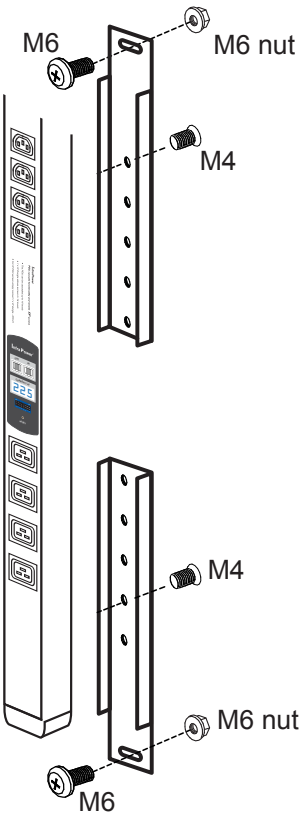
(1) Vertical MTS / MT PDU x 1

- **VMS** mounting screw, set of 2 or 3

- **VMB** mounting bracket set







OR

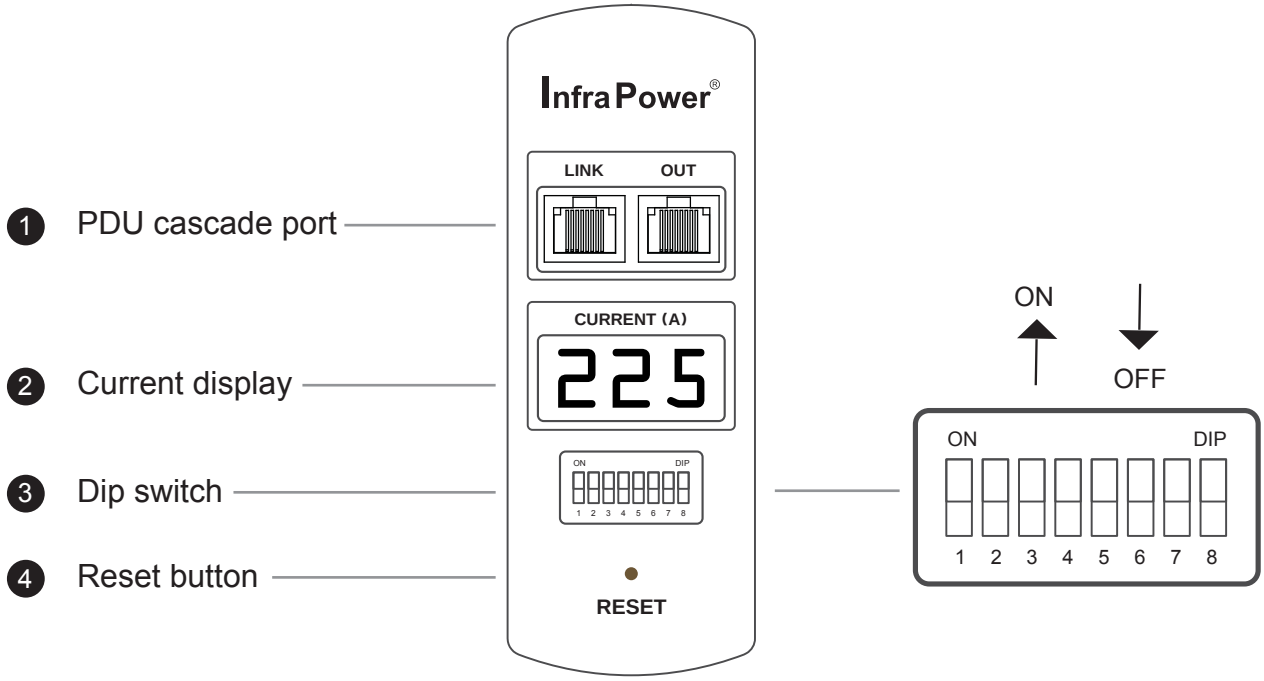
(2) Rackmount MTS / MT PDU x 1

Power ON

- Connect the PDU into an appropriately rated receptacle
- When the PDU is power on, the LED display will light up. That means all outlets are activated
- Keep the equipments in the power off position until it is plugged into the PDU

Don’t exceed the outlet, branch or phase limitations

< 1.1 > PDU meter setting & cascade

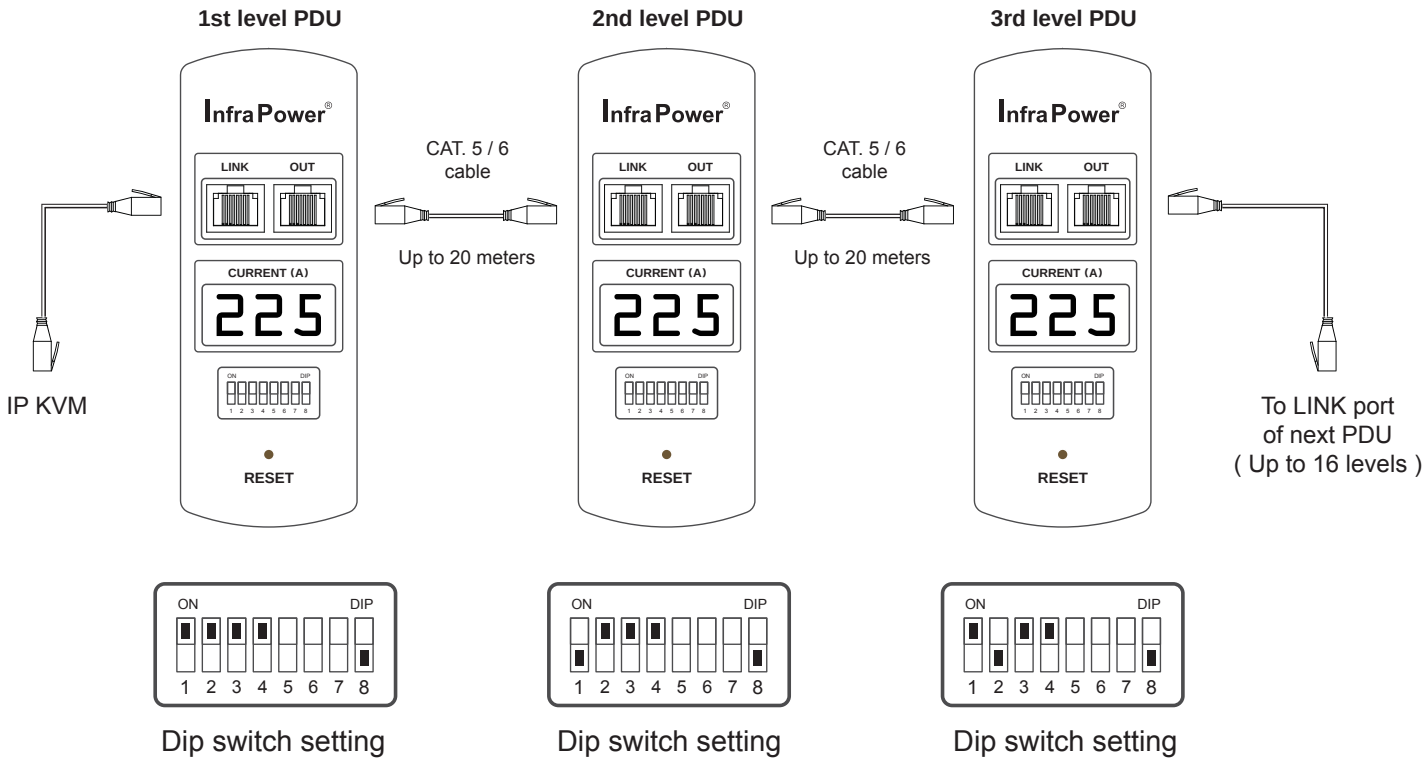


■ For rackmount PDU, ❷ ❸ ❹ on the front panel left , ❶ on the rear panel

Cascaded PDUs setting

Using the dip switch no. 1, 2, 3, 4 & 8 to setup each PDU level acording to the table :

Cascaded PDUs	Dip switch no.				
	1	2	3	4	8
1st PDU	On	On	On	On	Off
2nd PDU	Off	On	On	On	Off
3rd PDU	On	Off	On	On	Off
4th PDU	Off	Off	On	On	Off
5th PDU	On	On	Off	On	Off
6th PDU	Off	On	Off	On	Off
7th PDU	On	Off	Off	On	Off
8th PDU	Off	Off	Off	On	Off
9th PDU	On	On	On	Off	Off
10th PDU	Off	On	On	Off	Off
11th PDU	On	Off	On	Off	Off
12th PDU	Off	Off	On	Off	Off
13th PDU	On	On	Off	Off	Off
14th PDU	Off	On	Off	Off	Off
15th PDU	On	Off	Off	Off	Off
16th PDU	Off	Off	Off	Off	Off



Meter display setting

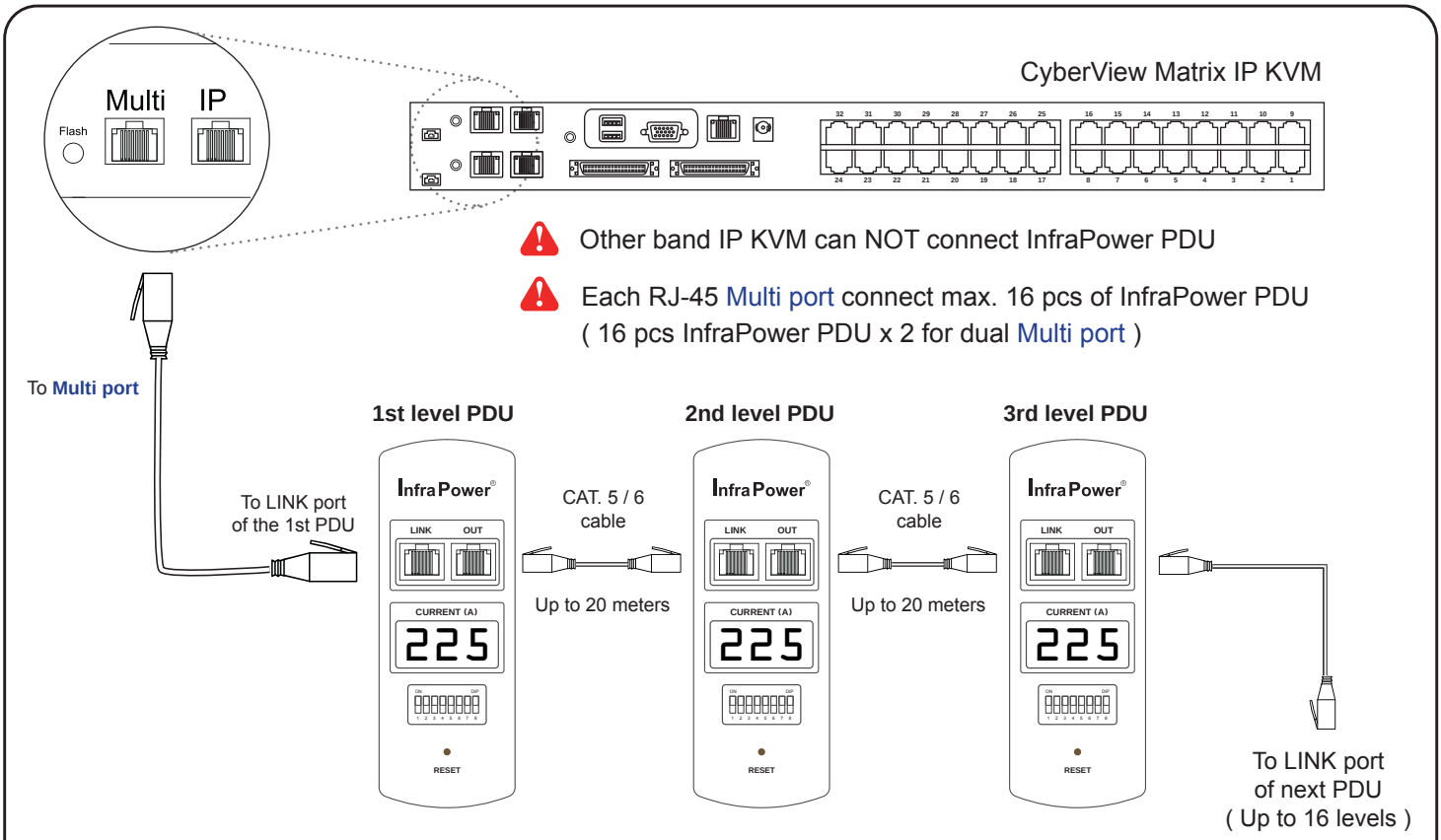
Using the dip switch no. 5 & 7 to setup each PDU meter display as below :

Current display	Dip switch no.	
	5	7
Circuit A + Circuit B	Off	Off
Circuit A only	On	Off
Circuit B only	On	On

Audio alarm

Using the dip switch no. 6 to setup each PDU audio alarm as below :

	Dip switch 6
Enable	Off
Disable	On



■ Please refer dip switch setting on P.1 - 2 for different level PDUs

For details, please visit the link below :
www.rackmountmart.com/support/usermanual/infrapower/UM-IPS-01.pdf

IP KVM list :

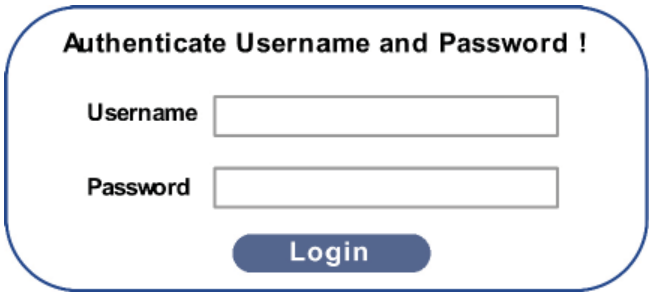
Model No.	No. of Combo KVM port	No. of IP port (come with 1 x Multi port)
Combo Cat6 KVM		
UIP-802	8-port	1
UIP-1602	16-port	1
UIP-3202	32-port	1
Combo DB-15 KVM		
IP-802	8-port	1
IP-1602	16-port	1
USB Hub DB-15 KVM		
IP-802H	8-port	1
IP-1602H	16-port	1
Matrix Cat6 KVM		
MU-IP1613	16-port	1
MU-IP1624		2 (dual)
MU-IP3213	32-port	1
MU-IP3224		2 (dual)
Matrix DB-15 KVM		
M-IP813	8-port	1
M-IP824		2 (dual)
M-IP1613	16-port	1
M-IP1624		2 (dual)

< 2.2 > IPS-01, free PDU management software, specially designed for IP KVM

CyberView IP KVM allows the user to manage servers & PDUs together.

Web-Based GUI (IPS-01) is applicable to the CyberView Connection only.
No software application required to be installed on the PC.

Skip the above step if the IP KVM has been already login

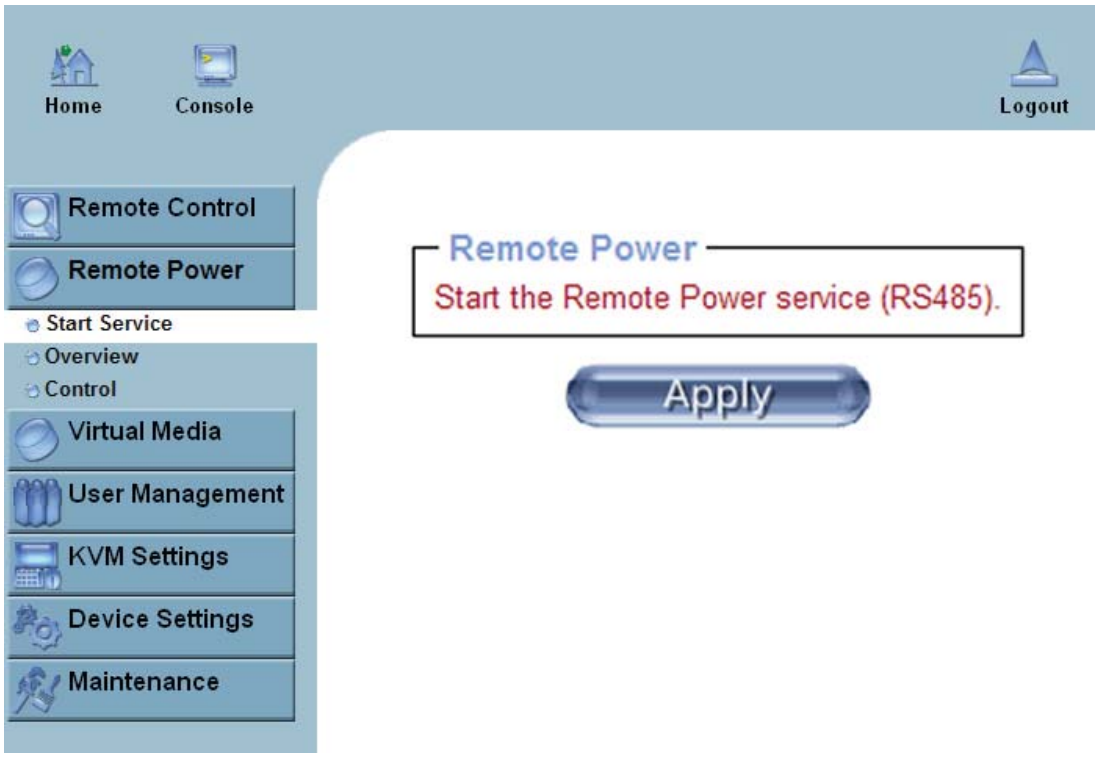


Step 1. Open Internet Explorer (I.E.), version 6.0 or above

Step 2. Enter the IP KVM address into the address bar
- For Single IP KVM model, such as
  UIP-1602 - http://192.168.1.22
- For Dual IP KVM model, such as
  MU-IP3224 - http://192.168.1.22 (for 1st IP) &
  http://192.168.1.23 (for 2nd IP)

Step 3. Enter username (default is super) &
password (default is pass)

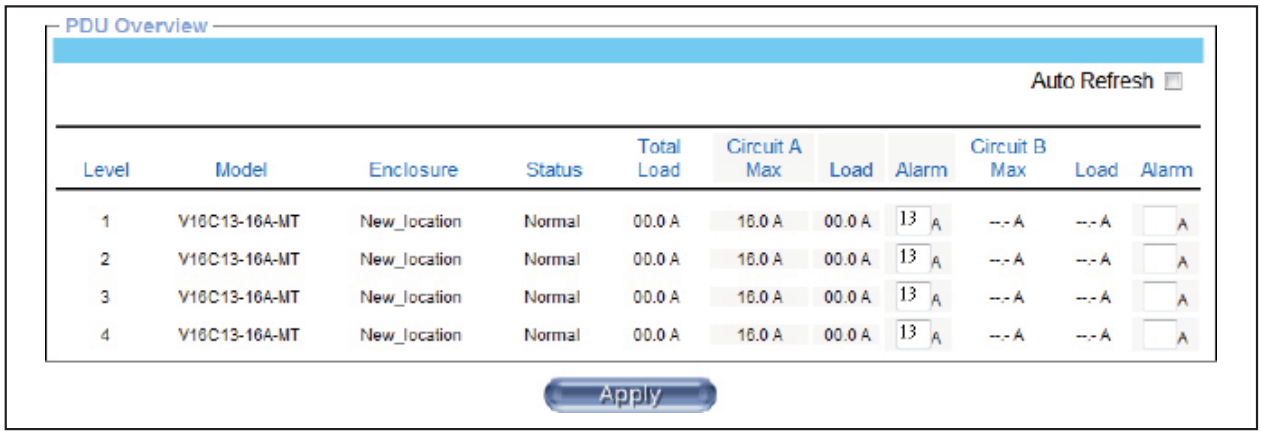
To access the PDU GUI, please select **Remote Power** > **Start Service** > **Apply**



< Overview >

- Aggregate current on the PDU
- Status of all connected PDUs
- Latest loading on each circuit of PDU
- Alarm threshold setup

- Data refresh every 10 seconds
- Disable **Refresh** during data input

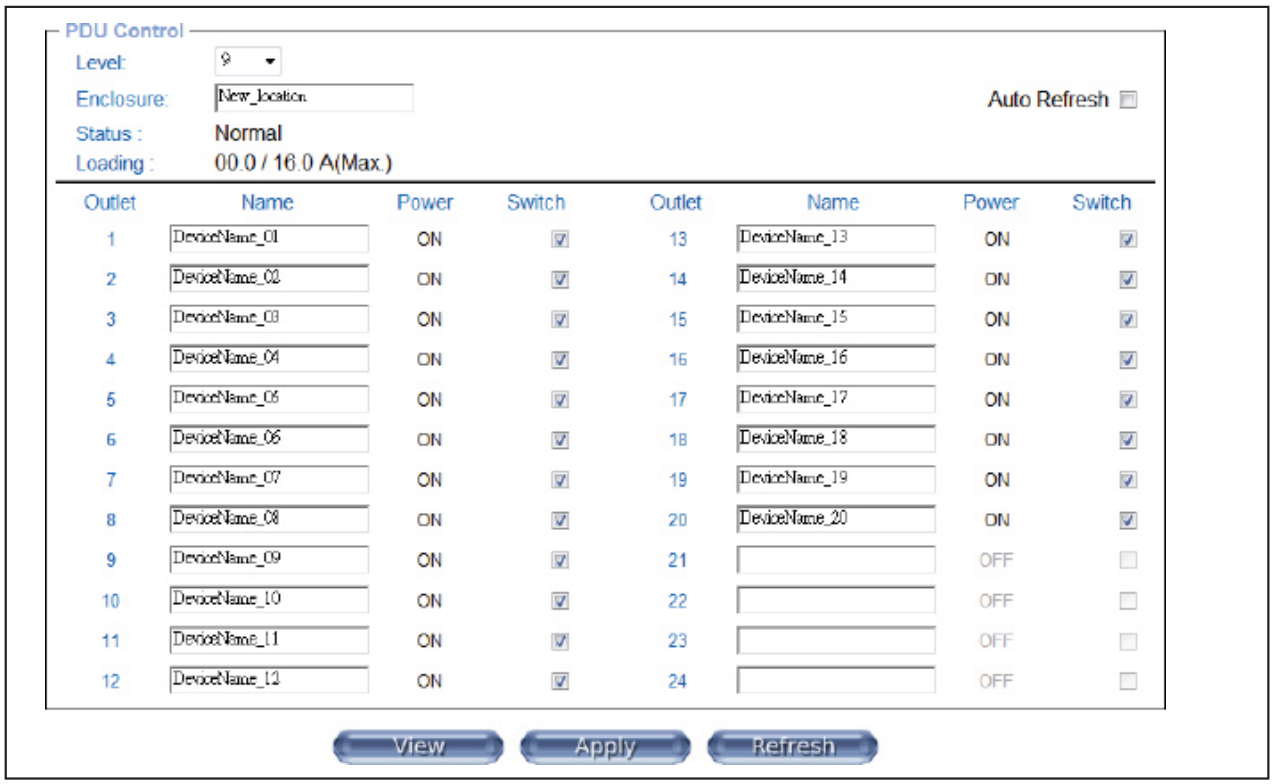

PDU Overview
Auto Refresh
Level Model Enclosure Status Total Load Circuit A Max Load Alarm Circuit B Max Load Alarm
1 V16C13-16A-MT New_location Normal 00.0 A 16.0 A 00.0 A 13 A --.- A --.- A A
2 V16C13-16A-MT New_location Normal 00.0 A 16.0 A 00.0 A 13 A --.- A --.- A A
3 V16C13-16A-MT New_location Normal 00.0 A 16.0 A 00.0 A 13 A --.- A --.- A A
4 V16C13-16A-MT New_location Normal 00.0 A 16.0 A 00.0 A 13 A --.- A --.- A A
Apply

Apply : save the changes

< Control >

- On / Off status of each outlet
- Remote on / off outlet (MTS switched PDU only)
- Rename outlet device & PDU location

- Data refresh every 10 seconds
- Disable **Refresh** during data input


PDU Control
Level: 9
Enclosure: New_location
Auto Refresh
Status : Normal
Loading : 00.0 / 16.0 A(Max.)
Outlet Name Power Switch Outlet Name Power Switch
1 DeviceName_01 ON 13 DeviceName_13 ON
2 DeviceName_02 ON 14 DeviceName_14 ON
3 DeviceName_03 ON 15 DeviceName_15 ON
4 DeviceName_04 ON 16 DeviceName_16 ON
5 DeviceName_05 ON 17 DeviceName_17 ON
6 DeviceName_06 ON 18 DeviceName_18 ON
7 DeviceName_07 ON 19 DeviceName_19 ON
8 DeviceName_08 ON 20 DeviceName_20 ON
9 DeviceName_09 ON 21 OFF
10 DeviceName_10 ON 22 OFF
11 DeviceName_11 ON 23 OFF
12 DeviceName_12 ON 24 OFF
View
Apply
Refresh

View : show the specified PDU status (Select the **PDU Level** > **View**)

Apply : save the changes

Refresh : refresh the PDU information

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